

Docket No. 147-25-057

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Kris Kelkar

Serial No.

Filed:

Title: WIRELESS COMMUNICATION STRUCTURES AND METHODS WITH  
ENHANCED RANGE AND PERFORMANCE

Mail Stop Non Fee (IDS)  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97(b)**

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents listed on the attached Form PTO-1449. This Information Disclosure Statement is being filed within three months of the filing of the above referenced application or before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed documents are attached.

Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration of relevant portions thereof by making appropriate notations on the attached form.

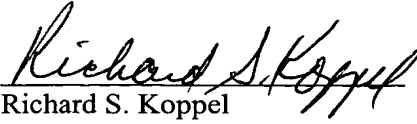
This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the

documents be applied against the claims of the present application.

Respectfully submitted,

January 22, 2004



Richard S. Koppel  
Registration No. 26,475  
Attorney for Applicant

KOPPEL, JACOBS, PATRICK & HEYBL  
555 St. Charles Drive, Suite 107  
Thousand Oaks, California 91360  
(805) 373-0060

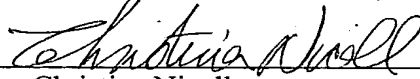
**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail Mailing Label EV229158120US in an envelope addressed to: Mail Stop Box Non Fee IDS, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313 on

Date

January 23, 2004

Christina Nicoll



<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	Docket Number (Optional) <b>147-25-057</b>	Application Number
	Applicant <b>Kris Kelkar, et al.</b>	
	Filing Date	Group Art Unit

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 3 7 1 7 3 4	12/6/94	Fischer	370	18	
	6 0 0 5 8 5 3	12/21/99	Wang, et al.	370	332	
	6 5 7 7 6 0 9	6/10/03	Sharony	370	312	
	6 5 9 7 6 8 3	7/22/03	Gehring, et al.	370	348	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	Bianchi, Giuseppe, "Performance Analysis of the IEEE 802.11 Distributed Coordination Function", IEEE Journal on Selected Areas in Communications, Vol 18, No. 3, March, 2000, pp. 535-547
	Clark, Martin, et al., "Outdoor IEEE 802.11 Cellular Networks: Radio Link Performance, Proc. IEEE ICC 2002

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP§609; Draw line through

[illegible]